

CLAIMS

1. A method of updating a system configuration comprising:
presenting a plurality of selections for updating a system configuration from
5 predetermined modes;
receiving a selected mode; and
executing the selected mode.
2. The method of claim 1, wherein the predetermined modes comprise an
10 immediate mode, a scheduled queued mode, a queued mode, and an optimized
activation mode.
3. The method of claim 2, wherein the immediate mode comprises the steps of:
receiving a configuration change request from a user; and
15 activating the change request immediately.
4. The method of claim 2, wherein the scheduled queued mode comprises:
receiving configuration changes from a user;
queuing all the change requests; and
20 activating the change requests at a predetermined time.
5. The method of claim 4, wherein the predetermined time is an absolute time.

EXPRESS MAIL LABEL NO. EL863782858US

6. The method of claim 4, wherein the predetermined time is relative to a triggering event.

7. The method of claim 6, wherein the triggering event is the user logging off.

8. The method of claim 2, wherein the queued mode comprises:
receiving configuration change requests from a user;
queuing the configuration change requests; and
activating the configuration change requests upon receiving a triggering event.

9. The method of claim 8, wherein the triggering event comprises at least one of: the user manually activating the change requests, the user enabling an immediate mode, and the user logging off.

10. The method of claim 2, wherein the optimized activation mode comprises:
receiving a configuration change request from a user;
determining if a system is in a disaster recovery mode; and
activating the change request if the system is in a disaster recovery mode.

EXPRESS MAIL LABEL NO. EL863782858US

11. The method of claim 10, wherein the optimized activation mode further comprises:

comparing a priority rating for the change request to a priority rating for end-user disruption; and

5 queuing the change request for later activation when the change priority rating is lower than the end-user disruption rating.

12. The method of claim 11, wherein the optimized activation mode further comprises:

10 comparing a priority rating for the change request to a priority rating for administrator disruption; and

queuing the change request for later activation when the change priority rating is lower than the administrator disruption rating.

15 13. The method of claim 12, wherein the optimized activation mode further comprises:

determining if the configuration change request is likely to be repeated for more than one system device; and

20 queuing the change request for later activation when the change is likely to be repeated.

EXPRESS MAIL LABEL NO. EL863782858US

14. The method of claim 13, wherein the optimized activation mode further comprises:

comparing a priority rating for the queued change request to a predetermined threshold;

5 activating the change request at a predetermined time when the change priority rating is lower than the predetermined threshold; and

activating the change request upon receiving a triggering event when the change priority rating is greater than the predetermined threshold.

10 15. The method of claim 14, wherein the triggering event comprises at least one of: the user manually activating the change requests, the user enabling an immediate mode, and the user logging off.

16. A system comprising:

a network interface;

a computer system, communicatively coupled to the network interface; and

a configuration control interface, communicatively coupled to the computer

5 system, for presenting a plurality of selections from predetermined modes for updating a system configuration of a configurable system.

17. The system of claim 16, wherein the configurable system comprises a storage system.

18. The system of claim 16, wherein the predetermined modes comprise an immediate mode, a scheduled queued mode, a queued mode, and an optimized activation mode, for updating a system configuration of the configurable system.

19. A system comprising:

a configurable storage system;

a network interface, communicatively coupled to the configurable storage system;

a computer system, communicatively coupled to the network interface; and

20 a configuration control interface, communicatively coupled to the computer system, for presenting a plurality of selections from predetermined modes for updating a system configuration of the configurable storage system.

EXPRESS MAIL LABEL NO. EL863782858US

20. A computer readable medium comprising instructions for:

presenting a plurality of selections for updating a system configuration from predetermined modes;

receiving a selected mode; and

executing the selected mode.

21. The computer readable medium of claim 20, wherein the predetermined modes comprise an immediate mode, a scheduled queued mode, a queued mode, and an optimized activation mode.

22. The computer readable medium of claim 21, wherein the immediate mode comprises instructions for:

receiving a configuration change request from a user; and

activating the change request immediately.

23. The computer readable medium of claim 21, wherein the scheduled queued mode comprises instructions for:

receiving configuration change requests from a user;

queuing all the change requests; and

activating the change requests at a predetermined time.

EXPRESS MAIL LABEL NO. EL863782858US

24. The computer readable medium of claim 21, wherein the queued mode comprises instructions for:

receiving configuration change requests from a user;

queuing all the change requests; and

activating the change requests upon receiving a triggering event.

25. The computer readable medium of claim 24, wherein the triggering event comprises at least one of: the user manually activating the change requests, the user enabling an immediate mode, and the user logging off.

26. The computer readable medium of claim 21, wherein the optimized activation mode comprises instruction for:

receiving a configuration change request from a user;

determining if a system is in a disaster recovery mode; and

activating the change request if the system is in a disaster recovery mode.

27. The computer readable medium of claim 26, wherein the optimized activation mode further comprises instructions for:

comparing a priority rating for the change request to a priority rating for end-user disruption; and

queuing the change request for later activation when the change priority rating is lower than the end-user disruption rating.

EXPRESS MAIL LABEL NO. EL863782858US

28. The computer readable medium of claim 27, wherein the optimized activation mode further comprises instructions for:

comparing a priority rating for the change request to a priority rating for administrator disruption; and

5 queuing the change request for later activation when the change priority rating is lower than the administrator disruption rating.

29. The computer readable medium of claim 28, wherein the optimized activation mode further comprises instructions for:

10 determining if the configuration change is repeated for more than one system device; and

queuing the change for later activation when the change is repeated.

30. The computer readable medium of claim 29, wherein the optimized activation mode further comprises instructions for:

15 comparing a priority rating for the queued change request to a predetermined threshold;

activating the change request at a predetermined time when the change priority rating is lower than the predetermined threshold; and

20 activating the change request upon receiving a triggering event when the change priority rating is greater than the predetermined threshold.

EXPRESS MAIL LABEL NO. EL863782858US

31. The computer readable medium of claim 30, wherein the triggering event comprises at least one of: the user manually activating the change requests, the user enabling an immediate mode, and the user logging off.

5 32. A system comprising:

means for presenting a plurality of selections from predetermined modes for updating a system configuration of a configurable system;

means for receiving a selected mode; and

means for executing the selected mode to configure the configurable system.

10

33. The system of claim 32, wherein the configurable system comprises a storage system.